Table A-25. Trends in company and other non-Federal funds for performance of industrial basic research, applied research, and development in the U.S., in current and in constant dollars: 1953-2001

Year	Total		Basic research		Applied research		Development	
	Current dollars	Constant 1996 dollars	Current dollars	Constant 1996 dollars	Current dollars	Constant 1996 dollars	Current dollars	Constant 1996 dollars
	[In millions of dollars]							
1953 [1]	2,200	11,429	132	686	438	2,275	1,630	8,468
1954 [1]	2,320	11,934	143	736	492	2,531	1,685	8,668
1955 [1]	2,460	12,437	162	819	560	2,831	1,738	8,787
1956	3,277	16,024	216	1,056	794	3,883	2,267	11,086
1957	3,396	16,072	230	1,088	992	4,695	2,174	10,289
1958	3,630	16,774	252	1,165	1,137	5,254	2,241	10,356
1959	3,983	18,204	248	1,133	1,178	5,384	2,557	11,686
1960	4,428	19,955	297	1,338	1,196	5,390	2,935	13,227
1961	4,668	20,802	314	1,399	1,165	5,192	3,189	14,211
1962	5,029	22,115	345	1,517	1,438	6,324	3,246	14,274
1963	5,360	23,304	375	1,630	1,450	6,304	3,535	15,370
1964	5,792	24,816	384	1,645	1,560	6,684	3,848	16,487
1965	6,445	27,103	406	1,707	1,620	6,812	4,419	18,583
1966	7,216	29,501	451	1,844	1,804	7,375	4,961	20,282
1967	8,020	31,813	427	1,694	1,849	7,334	5,744	22,785
1968	8,869	33,722	462	1,757	2,081	7,913	6,326	24,053
1969	9,857	35,727	458	1,660	2,272	8,235	7,127	25,832
1970	10,288	35,403	444	1,528	2,378	8,183	7,466	25,692
1971	10,654	34,908	456	1,494	2,441	7,998	7,757	25,416
1972	11,535	36,251	463	1,455	2,562	8,052	8,510	26,744
1973	13,104	39,000	499	1,485	2,832	8,429	9,773	29,086
1974	14,667	40,052	536	1,464	3,263	8,910	10,868	29,678
1975	15,582	38,926	573	1,431	3,440	8,594	11,569	28,901
1976	17,436	41,220	634	1,499	3,912	9,248	12,890	30,473
1977	19,340	42,959	701	1,557	4,311	9,576	14,328	31,826
1978 [1]	22,115	45,853	785	1,628	4,870	10,097	16,460	34,128
1979	25,708	49,202	893	1,709	5,670	10,852	19,145	36,641
1980 [1]	30,476	53,429	1,035	1,815	6,550	11,483	22,891	40,131
1981	35,428	56,803	1,313	2,105	8,359	13,402	25,756	41,295
1982 [1]	40,105	60,536	1,523	2,299	9,363	14,133	29,219	44,104
1983	44,588	64,733	1,760	2,555	10,286	14,933	32,542	47,244
1984	51,404	71,954	2,132	2,984	11,541	16,155	37,731	52,815
1985	57,043	77,409	2,373	3,220	12,908	17,517	41,762	56,673
1986 [2]	59,932	79,580	3,496	4,642	15,082	20,027	41,354	54,912
1987 [2]	61,403	79,148	3,583	4,618	15,153	19,532	42,667	54,997
1988 [2,3]	66,672	83,122	3,507	4,372	16,531	20,610	46,634	58,140
1989 [2,3]	73,501	88,268	3,832	4,602	17,993	21,608	51,676	62,058
1990 [2,3]	81,602	94,327	3,760	4,346	18,432	21,306	59,410	68,674
1991 [2,3]	90,580	101,026	6,125	6,831	21,425	23,896	63,030	70,299
1992 [2,4]	94,388	102,774	5,816	6,333	21,184	23,066	67,385	73,372
1993 [2,4]	94,591	100,575	5,961	6,338	19,956	21,219	68,678	73,023
1994 [2,4]	97,131	101,168	6,078	6,331	19,372	20,177	71,683	74,662

See explanatory information and SOURCE at end of table.

Table A-25. Trends in company and other non-Federal funds for performance of industrial basic research, applied research, and development in the U.S., in current and in constant dollars: 1953-2001

Year	Total		Basic research		Applied research		Development	
	Current dollars	Constant 1996 dollars	Current dollars	Constant 1996 dollars	Current dollars	Constant 1996 dollars	Current dollars	Constant 1996 dollars
	[In millions of dollars]							
1995 [2,4]	108,652	110,756	5,379	5,483	23,755	24,215	79,516	81,056
1996 [2,4]	121,015	121,015	6,848	6,848	25,370	25,370	88,798	88,798
1997 [2,4]	133,611	131,055	8,766	8,598	29,782	29,212	95,064	93,246
1998 [2,4,5]	145,016	140,519	4,851	4,701	29,576	28,659	110,590	107,161
1999 [2,4,5]	160,176	153,059	5,362	5,124	33,309	31,829	121,690	116,283
2000 [2,4,5]	180,421	168,791	6,017	5,629	36,130	33,801	138,274	129,361
2001 [2,4,5]	181,606	165,971	7,157	6,541	39,883	36,449	134,566	122,981

[1] Character-of-work estimates were made by the National Science Foundation. See National Science Foundation, *National Patterns of R&D Resources: 1998* (NSF 99-335).

[2] The character-of-work estimation procedure was revised for 1986 and later years and resulting statistics are not directly comparable with earlier years. For more information, see the technical notes in Survey of Industrial Research and Development Methodology: 2001 at http://www.nsf.gov/sbe/srs/sird/start.htm.

[3] As a result of a new sample design, statistics for 1988-91 were revised after they were originally published and are not directly comparable with statistics for earlier years. For more information, see the technical notes in Survey of Industrial Research and Development Methodology: 2001 at http://www.nsf.gov/sbe/srs/sird/start.htm

[4] As a result of annual sampling, implemented to produce statistics that better reflect R&D performance among firms in nonmanufacturing industries and small firms in all industries, statistics for 1992 and later years are not directly comparable with statistics for earlier years. For more information, see the technical notes in Survey of Industrial Research and Development Methodology: 2001 at http://www.nsf.gov/sbe/srs/sird/start.htm.

[5] Using data collected during recent cycles of the survey, NSF investigated a potential reporting anomaly for basic research and found that severa large companies, known to develop and manufacture products, reported all R&D as basic research. This phenomenon prompted a renewed effort to strengthen character of work estimates produced from the survey. Consequently, improved edit checks were applied during statistical processing to produce the 2001 basic research, applied research, and development estimates. Also, estimates for 1998, 1999, and 2000 were recalculated.

NOTES: The R&D in this table is the industrial R&D performed within company facilities funded from all sources except the Federal Government. The funds predominantly are the company's own, but also include funds from outside organizations such as other companies, research institutions, universities and colleges, nonprofit organizations, and State governments. Excluded from this table are company-funded R&D not performed within the company (e.g., R&D contracted out to other organizations) and company-funded R&D not performed within the 50 U.S. states or D.C. (e.g., R&D not performed on U.S. soil by foreign subsidiaries or other foreign organizations).

Gross domestic product (GDP) implicit price deflators were used to convert current dollars to constant (1996) dollars.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Industrial Research and Development: 2001